CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

To,

Assistant Executive Engineer
Vidyaranyapura Sub Division,
BBMP Bangalore.

07th June 2013

Dear Sir,

Sub: Testing Materials.

As requested, tests on physical properties were carried out for the materials supplied by you, for the work of **'Improvements to cross Roads and Drains at Kuvempunagara 1st Stage in Ward No.11, Vidyaranyapura Sub Division'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Lab Incharge

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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TEST REPORT ON REINFORCEMENT STEEL BARS 12mm

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to cross Roads and Drains at Kuvempunagara 1st Stage in Ward No.11, Vidyaranyapura Sub Division.
Agency Name	Sri. Hombegowda
Date of Test	07/06/2013

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.9	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	420	415	Satisfactory
6	U T S (N/Sq.mm)	525	485	Satisfactory

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

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Lab Incharge
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TEST REPORT ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to cross Roads and Drains at Kuvempunagara 1st Stage in Ward No.11, Vidyaranyapura Sub Division.
Agency Name	Sri. Hombegowda

Sample	Date of Testing	Specific Gravity	Absorption in %	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970	Remarks
40mm Down Graded	07/06/2013	2.66	0.28	**80**	100	**100**	Satisfies The Requirements
				40	99	**95-100**	
				20	56	**30-70**	
				10	26	**10-35**	
				4.75	4	**0-5**	

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TEST REPORT ON CEMENT

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to cross Roads and Drains at Kuvempunagara 1st Stage in Ward No.11, Vidyaranyapura Sub Division.
Agency Name	Sri. Hombegowda

Tests on Cement	Test Date	Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112 1989	Remarks
			IS Code	Method	Value	Unit		
	07/06/2013	Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	51	min	Not Less Than 30 Minutes	Satisfies Requirement
		Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	489	min	Not More Than 600 Minutes	Satisfies Requirement
		Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	4	mm	Not More Than 10 mm	Satisfies Requirement

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TEST REPORT ON FINE AGGREGATES Ref:IS:383/2386

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to cross Roads and Drains at Kuvempunagara 1st Stage in Ward No.11, Vidyaranyapura Sub Division.
Agency Name	Sri. Hombegowda

Sample	Date of Testing	Specific Gravity	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970				Grading Zone
					ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
Fine Aggregates	07/06/2013	2.55	10	100	100	100	100	100	II
			4.75	98	90-100	90-100	90-100	95-100	
			2.36	88	60-95	75-100	85-100	95-100	
			1.18	75	30-70	55-90	75-100	90-100	
			0.6	47	15-34	35-59	60-79	80-100	
			0.3	24	5-20	8-30	12-40	15-50	
			0.15	7	0-10	0-10	0-10	0-15	

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Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

To,

Assistant Executive Engineer
Vidyaranyapura Sub Division,
BBMP Bangalore.

18th July 2013

Dear Sir,

Sub: Improvements to cross Roads and Drains at Kuvempunagara 1st Stage in Ward No.11, Vidyaranyapura Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

(KHUSHBOO L.)
Lab Incharge

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Vidyaranyapura Sub Division, BBMP
Project	Improvements to cross Roads and Drains at Kuvempunagara 1st Stage in Ward No.11, Vidyaranyapura Sub Division.
Agency	Sri. Hombegowda
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC-Work (Drain)	20/06/2013	18/07/2013	28	8.16	475	21.11	21.19
2					8.15	470	20.89	
3					8.17	485	21.56	

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